

PstI

1 E K R Q V Q L Q E S G G G L V Q
TCGAGAAAAG ACAGGTGCAG CTGCAGGAGT CAGGGGGAGG ATTGGTGCAG

51 A G G S L R L S C A A S G R A T S
GCTGGGGGCT CTCTGAGACT CTCCTGTGCA GCCTCGGGAC GCGCCACCAG

101 G H G H Y G M G W F R Q V P G K
TGGTCATGGT CACTATGGTA TGGGCTGGTT CCGCCAGGTT CCAGGGAAGG

151 E R E F V A A I R W S G K E T W Y
AGCGTGAGTT TGTCGCAGCT ATTAGGTGGA GTGGTAAAGA GACATGGTAT

201 K D S V K G R F T I S R D N A K T
AAAGACTCCG TGAAGGGCCG ATTCACCATC TCCAGAGATA ACGCCAAGAC

251 T V Y L Q M N S L K P E D T A V
TACGGTTTAT CTGCAAATGA ACAGCCTGAA ACCTGAAGAT ACGGCCGTTT

301 Y Y C A A R P V R V D D I S L P V
ATTATTGTGC CGCTCGACCG GTCCGCGTGG ATGATATTTT CCTGCCGGTT

351 G F D Y W G Q G T Q V T V S S G S
GGGTTTGACT ACTGGGGCCA GGGGACCCAG GTCACCGTCT CCTCAGGATC

BamHI

linker

401 H H H H H H G S T S I E G R T Q
TCATCACCAT CACCATCAAG GATCCACCTC CATTGAAGGT CGTACCCAGT

451 S H Y G Q C G G I G Y S G P T V C
CTCACTACGG TCAGTGTGGT GGTATTGGTT ACTCCGGTCC AACCGTCTGT

501 A S G T T C Q V L N P Y Y S Q C L
GCCTCTGGTA CCACCTGTCA GGTCTGAAC CCTTACTACT CCCAGTGTCT

* *
551 GTAATAAG

FIG. 1/4

Particles alone
#1 kDa - non-specific capture

Particles plus fusion protein
#7 kDa - highest ratio specific capture

Y-axis: cps (counts per second)
X-axis: m/z (mass-to-charge ratio)

Top Plot (Particles alone) peaks (m/z):
 A: 8,549 (20,900)
 B: 10,640 (27,900)
 C: 14,145 (35,351)
 D: 16,829 (42,608)
 E: 17,350 (44,371)
 F: 25,438 (65,516)
 G: 28,215 (72,527)

Bottom Plot (Particles plus fusion protein) peaks (m/z):
 A: 8,558 (20,900)
 B: 12,052 (30,900)
 C: 14,146 (35,350)
 D: 16,829 (42,608)
 E: 17,352 (44,371)
 F: 25,438 (65,516)
 G: 28,219 (72,525)

FIG. 2/4

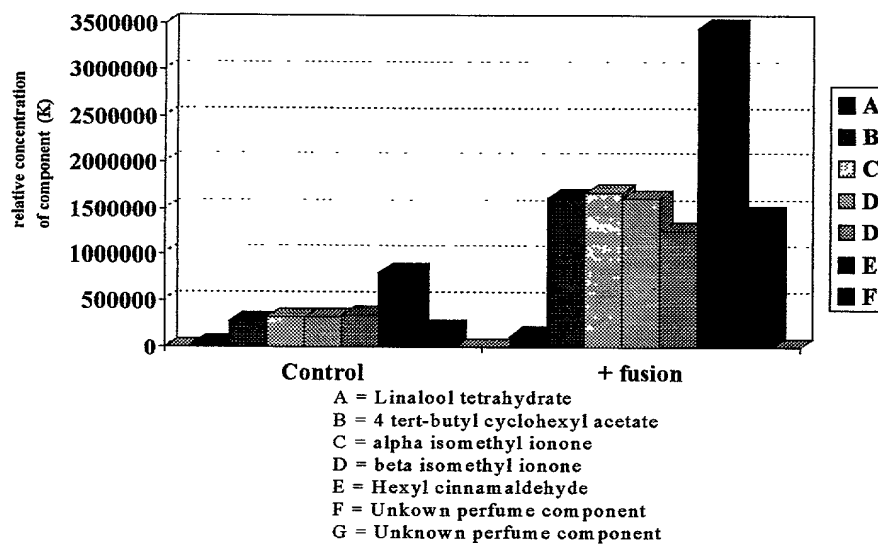


FIG. 3/4

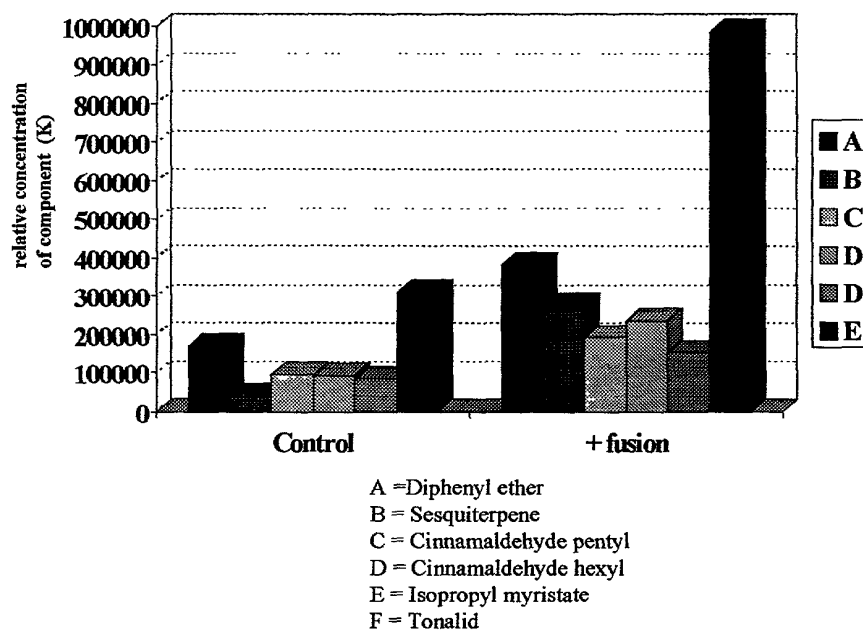


FIG. 4/4